

In the Specification:

Amend the specification by inserting a new section before the "Technical Field" as follows:

In the Specification:

Please insert the enclosed Sequence Listing immediately after the Table of Contents ending on page 73.

Page 5, line 28, please delete "(SEQ ID NO:___)" and insert therefor -- (SEQ. ID NO:1) --.

Page 5, line 29, please delete "(SEQ ID NO:___)" and insert therefor -- (SEQ. ID NO:2) --.

Page 6, lines 1 and 2, please delete "(SEQ ID NO:___)" and insert therefor -- (SEQ. ID NO:3) --.

Page 6, line 2, please delete "(SEQ ID NO:___)" and insert therefor -- (SEQ. ID NO:4) --.

Page 6, line 3, immediately after "29-1132" please insert -- ;SEQ. ID NO:5 --.

Page 7, lines 9 and 10, immediately after "RNA variants" please insert -- (SEQ. ID NOs: 6-17) --.

Page 7, line 11, please delete "(SEQ ID NO:___)" and insert therefor -- (SEQ. ID NOs: 16 and 17) --.

Page 7, line 25, immediately after "telomerase" please insert -- (SEQ. ID NOs: 18-33) --.

Page 7, line 27, immediately after "proteins" please insert -- (SEQ. ID NOs: 2, 34-86 and 155) --.

Page 7, line 30, immediately after "plasmid" please insert -- (SEQ. ID NO:87) --.

Page 8, line 2, immediately after "plasmid" please insert -- (SEQ. ID NO:88) --.

Page 8, line 4, immediately after "plasmid" please insert -- (SEQ. ID NO:89) --.

Page 8, line 12, please delete "(SEQ ID No. ___)" and insert therefor -- (SEQ. ID NO:2) --.

Page 20, line 27, immediately after "(AVRIRGKS" please insert -- ; SEQ. ID NO:90) --.

Page 20, line 28, immediately after "AXXXXGK(S)" please insert -- (SEQ. ID NO:91) --.

Page 21, line 17, immediately after "SGQPEMEPPRRPSGCVG" please insert -- (SEQ. ID NO:92) --.

Page 21, line 18, immediately after "(PXXXXPXX)" please insert -- ; SEQ. ID NO:93) --.

Page 21, line 20, immediately after "HAGPPSTSRPPRPWDTP" please insert -- (SEQ. ID NO:94) --.

Page 36, line 6, immediately after " $N_3XN^*GUC(N_{>6})$ " please insert -- (SEQ. ID NO:95) --.

Page 49, line 9, immediately after "AGGAGATCTCGCGATGCCGCGCGC TC-3'" please insert -- (SEQ. ID NO:96) --.

Page 49, line 10, immediately after "TCCACGCGTCCTGCCCCGGGTG-3'" please insert -- (SEQ. ID NO:97) --.

Page 49, line 27, immediately after "GCTGGTGCAGCGCGGGGACC" please insert -- (SEQ. ID NO:98) --.

Page 49, line 28, immediately after "CACAAGCTTGAATTCACATCTC ACCATGAAGGAGCTGGTGGCCCGAGT" please insert -- (SEQ. ID NO:99) --.

Page 49, line 29, immediately after "GGCACGCACACCAGGCACTG" please insert -- (SEQ. ID NO:100) --.

Page 49, line 30, immediately after "CCTGCCTGAAGGAGCTGGTG" please insert -- (SEQ. ID NO:101) --.

Page 49, line 31, immediately after "GGACACCTGGCGGAAGGAG" please insert -- (SEQ. ID NO:102) --.

Page 49, line 32, immediately after "CCGAGTGCTGCAGAGGCTGT" please insert -- (SEQ. ID NO:103) --.

Page 49, line 33, immediately after "GAAGCCGAAGGCCAGCACGTT CT" please insert -- (SEQ. ID NO:104) --.

Page 49, line 34, immediately after "GTGCAGCTGCTCCGCCAGCAC A" please insert -- (SEQ. ID NO:105) --.

Page 49, line 35, immediately after "GTTCCCAAGCAGCTCCAGAAAC AG" please insert -- (SEQ. ID NO:106) --.

Page 49, line 36, immediately after "GGCAGTGCGTCTTGAGGAGCA" please insert -- (SEQ. ID NO:107) --.

Page 49, line 37, immediately after "CACTGGCTGATGAGTGTGTAC" please insert -- (SEQ. ID NO:108) --.

Page 50, line 1, immediately after "GACGTACACACTCATCAGCCA G" please insert -- (SEQ. ID NO:109) --.

Page 50, line 2, immediately after "GGTCTTTCTTTTATGTCACGGA G" please insert -- (SEQ. ID NO:110) --.

Page 50, line 3, immediately after "CACTTGAAGAGGGTGCAGCT" please insert -- (SEQ. ID NO:111) --.

Page 50, line 4, immediately after "GTCTCACCTCGAGGGTGAAG" please insert -- (SEQ. ID NO:112) --.

Page 50, line 5, immediately after "TTCACCCTCGAGGTGAGACGC T" please insert -- (SEQ. ID NO:113) --.

Page 50, line 6, immediately after "TCGTAGTTGAGCACGCTGAAC" please insert -- (SEQ. ID NO:114) --.

Page 50, line 7, immediately after "GCCTGAGCTGTACTTTGTCAA" please insert -- (SEQ. ID NO:115) --.

Page 50, line 8, immediately after "CTGAGCTGTACTTTGTCAAGGA CA" please insert -- (SEQ. ID NO:116) --.

Page 50, line 9, immediately after "GTACATGCGACAGTTCGTGGCT CA" please insert -- (SEQ. ID NO:117) --.

Page 50, line 10, immediately after "CATGAAGCGTAGGAAGACGTC GAAGA" please insert -- (SEQ. ID NO:118) --.

Page 50, line 11, immediately after "CGCAAACAGCTTGTTCTCCATG TC" please insert -- (SEQ. ID NO:119) --.

Page 50, line 12, immediately after "CTATGCCCGGACCTCCATCAGA" please insert -- (SEQ. ID NO:120) --.

Page 50, line 13, immediately after "CTGATGGAGGTCCGGGCATAG" please insert -- (SEQ. ID NO:121) --.

Page 50, line 14, immediately after "CCTCCGAGGCCGTGCAGT" please insert -- (SEQ. ID NO:122) --.

Page 50, line 15, immediately after "CACCTCAAGCTTTCTAGATCAGT CCAGGATGGTCTTGAAGTCA" please insert -- (SEQ. ID NO:123) --.

Page 50, line 16, immediately after "GGAAGGCAAAGGAGGGCAGGGC GA" please insert -- (SEQ. ID NO:124) --.

Page 50, line 17, immediately after "CACGAATTCGGATCCAAGCTTT TTTTTTTTTTTTTTTT" please insert -- (SEQ. ID NO:125) --.

Page 50, line 18, immediately after "GGGTTGCGGAGGGTGGGC" please insert -- (SEQ. ID NO:126) --.

Page 50, line 19, immediately after "GCAGTGGTGAGCCGAGTCCTG" please insert -- (SEQ. ID NO:127) --.

Page 50, line 20, immediately after "CGACTTTGGAGGTGCCTTCA" please insert -- (SEQ. ID NO:128) --.

Page 50, line 22, immediately after "GCTGGTGCAGCGCGGGGACC" please insert -- (SEQ. ID NO:129) --.

Page 50, line 23, immediately after "GAGGTGCAGAGCGACTACTCC A" please insert -- (SEQ. ID NO:130) --.

Page 50, line 24, immediately after "GTCTCACCTCGAGGGTGAAG" please insert -- (SEQ. ID NO:131) --.

Page 50, line 25, immediately after "GGCTGCTCCTGCGTTTGGTGG A" please insert -- (SEQ. ID NO:132) --.

Page 50, line 26, immediately after "GCCAGAGATGGAGCCACCC" please insert -- (SEQ. ID NO:133) --.

Page 50, line 27, immediately after "GGGTGGCTCCATCTCTGGC" please insert -- (SEQ. ID NO:134) --.

Page 50, line 28, immediately after "CCGCACGCTCATCTTCCACGT" please insert -- (SEQ. ID NO:135) --.

Page 50, line 29, immediately after "GCTTGGGGATGAAGCGGTC" please insert -- (SEQ. ID NO:136) --.

Page 50, line 30, immediately after "CGCCTGAGCTGTACTTTGTCA" please insert -- (SEQ. ID NO:137) --.

Page 50, line 31, immediately after "CACCTCAAGCTTTCTAGATCA GCTAGCGGCCCCAGCCCAACTCCCCCT" please insert -- (SEQ. ID NO:138) --.

Page 50, line 32, immediately after "GCAGCACACATGCGTGAAACCT GT" please insert -- (SEQ. ID NO:139) --.

Page 50, line 33, immediately after "GTGTCAGAGATGACGCGCAGG AA" please insert -- (SEQ. ID NO:140) --.

Page 50, line 34, immediately after "ACCCACACTTGCCTGTCCTGAG T" please insert -- (SEQ. ID NO:141) --.

Page 50, line 36, immediately after "TGGGC" please insert -- (SEQ. ID NO:142) --.

Page 50, line 37, immediately after "CTGTAATACGACTCACTATAGG GTTGCGGAGGGTGGGC" please insert -- (SEQ. ID NO:143) --.

Page 50, line 39, immediately after "GAGCCGAGTCCTG" please insert -- (SEQ. ID NO:144) --.

Page 50, line 41, immediately after "GGATCCGCCGCAGAGCACCGTC TG" please insert -- (SEQ. ID NO:145) --.

Page 50, line 42, immediately after "CGAAGCTTTCAGTGGGCCGGCA TCTGAAC" please insert -- (SEQ. ID NO:146) --.

Page 50, line 43, immediately after "CGAAGCTTTCACAGGCCAGCC CAACTCC" please insert -- (SEQ. ID NO:147) --.

Page 50, line 44, immediately after "GCGGATCCAGAGCCACGTCCTA CGTC" please insert -- (SEQ. ID NO:148) --.

Page 50, line 45, immediately after "GCGGATCCGTTTCAGATGCCGGC CCAC" please insert -- (SEQ. ID NO:149) --.

Page 56, line 24, immediately after "(PXXXXPXXP;PEMEPPRRP)" please insert -- (SEQ. ID NOs: 93 and 150 respectively) --.

Page 51, line 15, immediately after "PEMEPPRRP" please insert -- (- SEQ. ID NOs: 93 and 150 respectively) --.